




Opportunities for prevention in an integrated health care system

Or: What keeps me awake at night

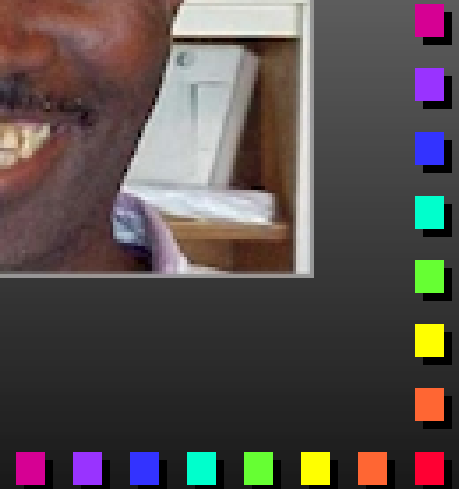
Dr Francois Venter
Reproductive Health and HIV Research Unit
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Enhancing Quality of Care Conference:
16 February 2006



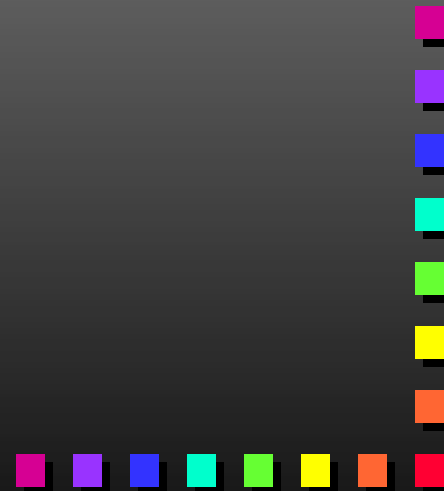
Before and after initiation of ARV therapy!



Before and after initiation of ARV therapy!

Thapelo





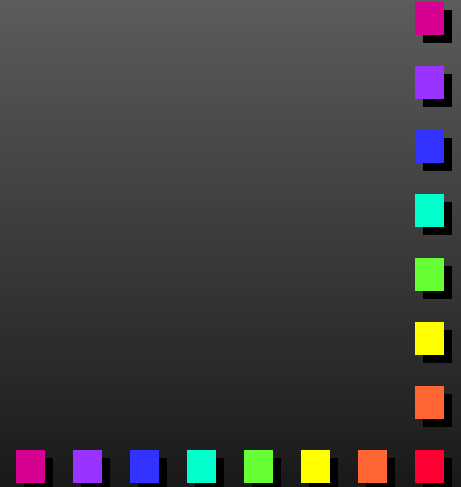
- Is prevention important?
- Integrated care
- Prevention strategies – do they work?
- Where could we put them?



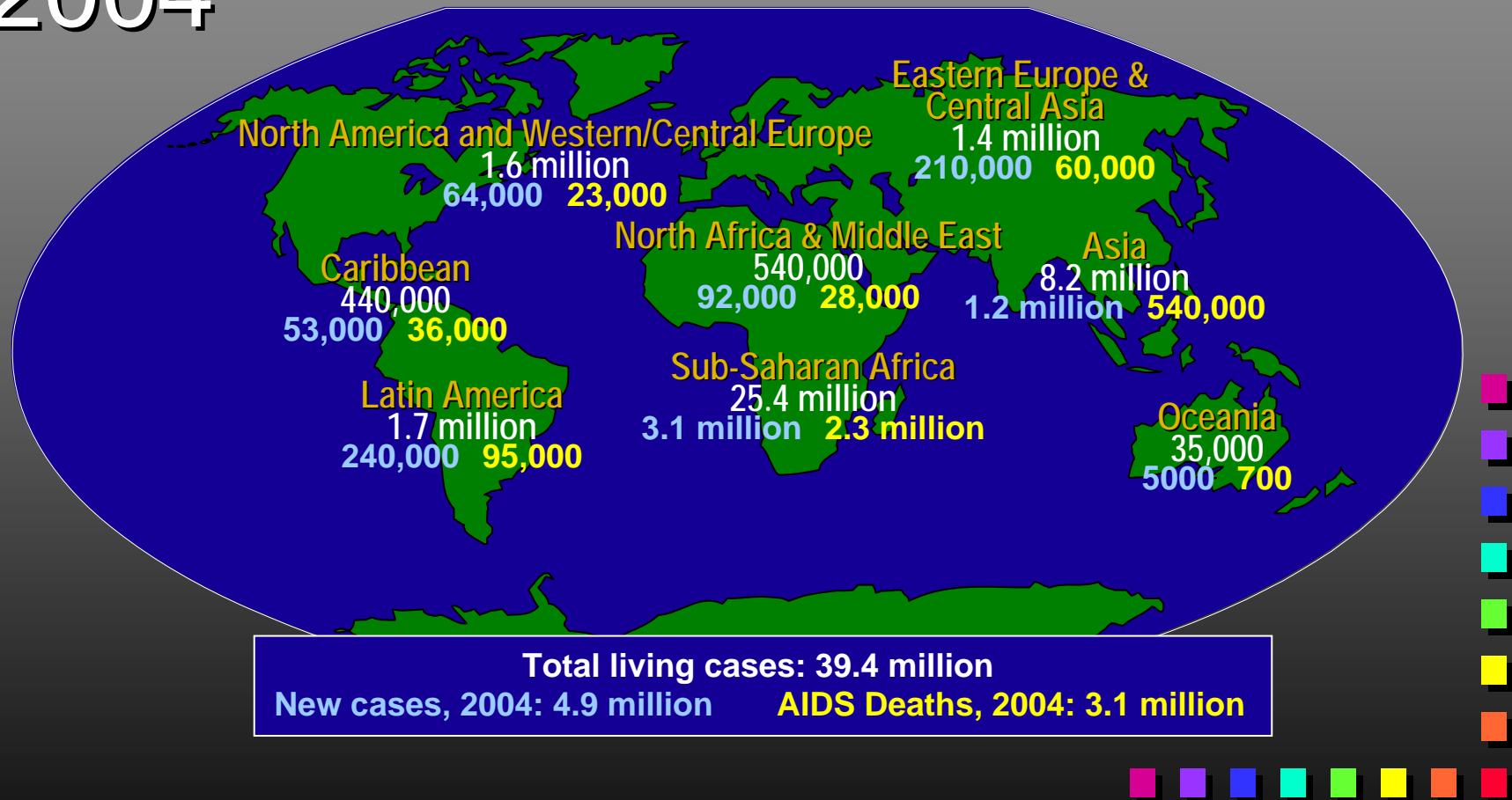
So how's prevention going?

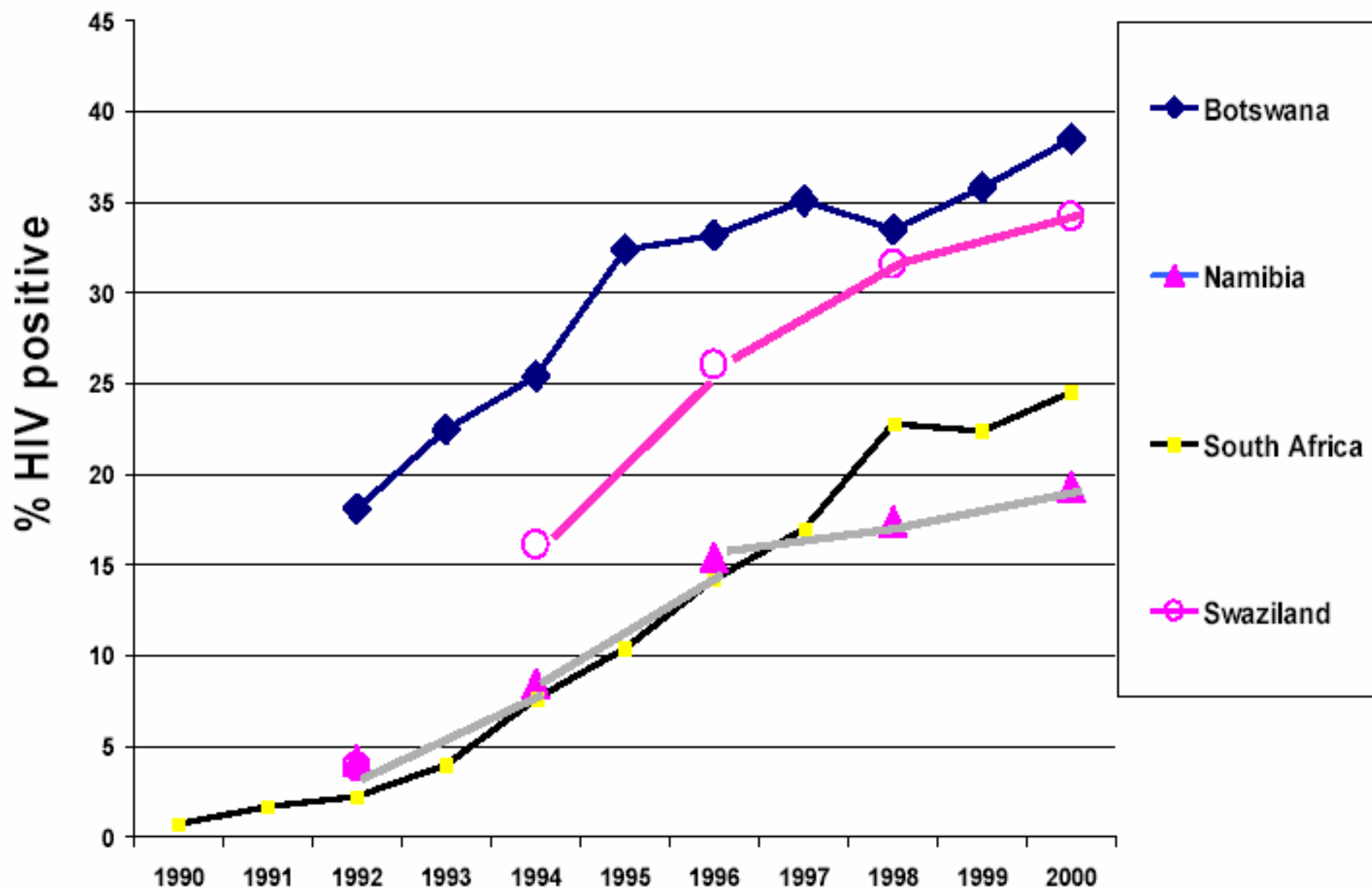


How's the tap doing?



Estimated Number of People Living With HIV, by Region in 2004



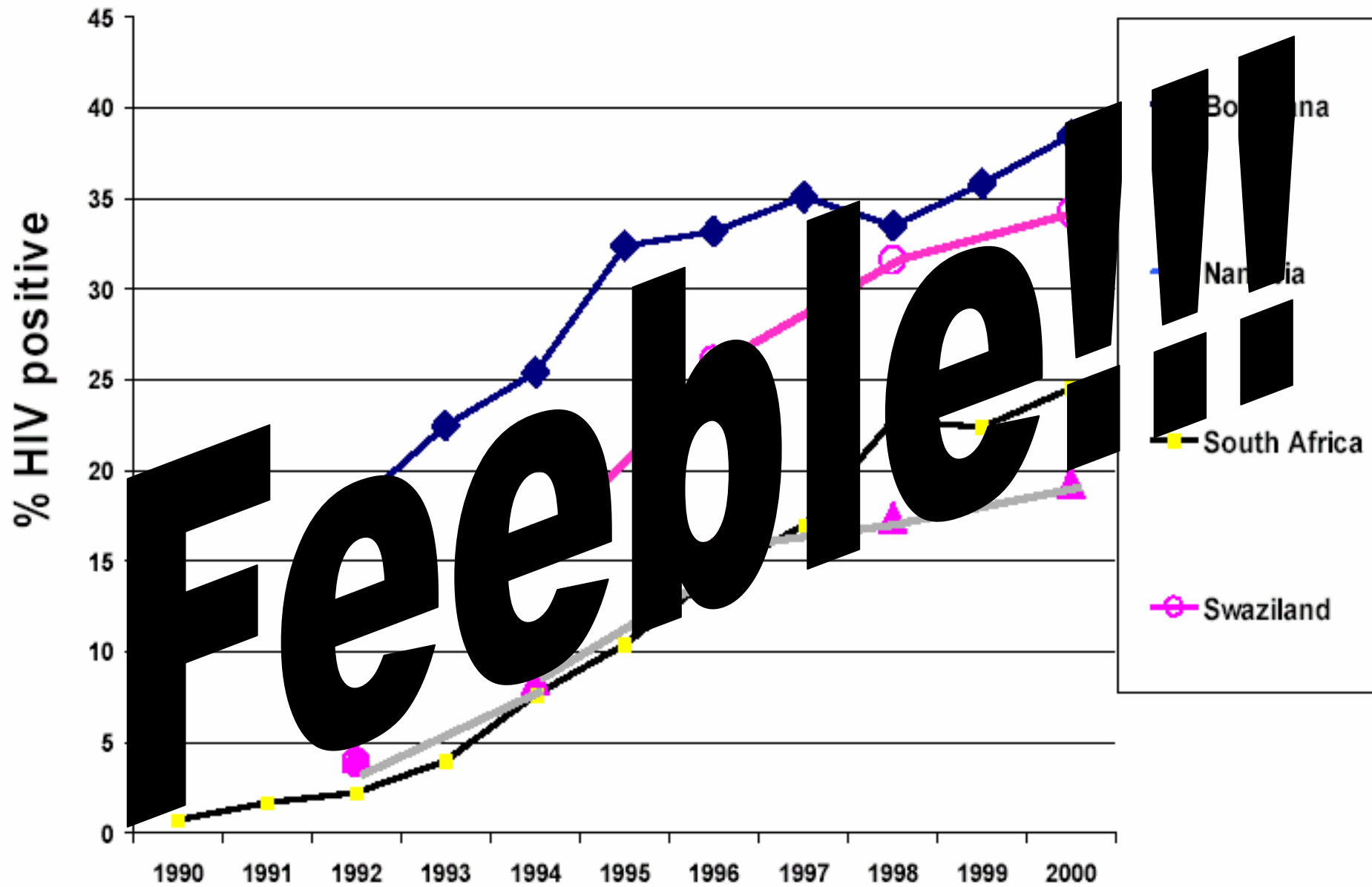


In SA, the numbers keep rising...



- Despite reported 14-fold increase in condom use between 1997 and 2004!
- Wide knowledge of transmission process
- 50% infected say 'no risk factors'



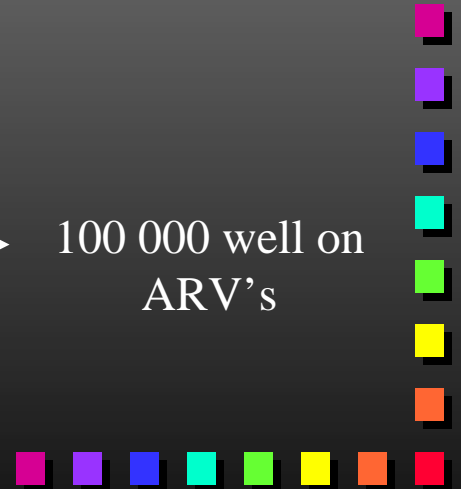


400 000 need ARV's

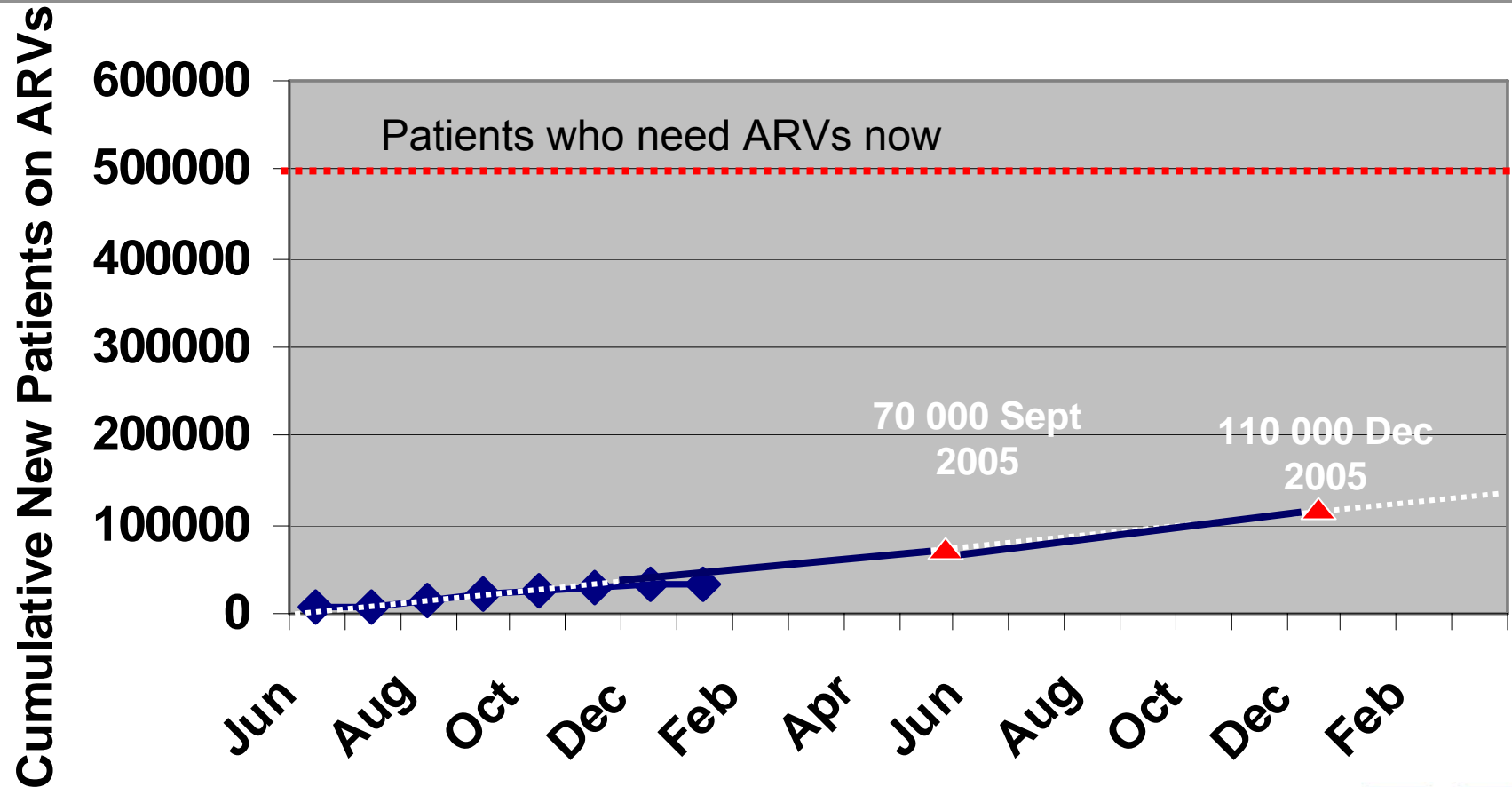


300 000 dead

100 000 well on
ARV's



Rollout projections for the next 12 months

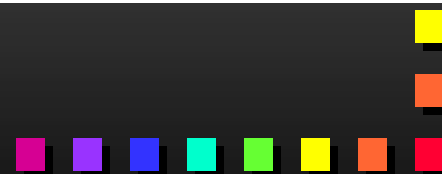
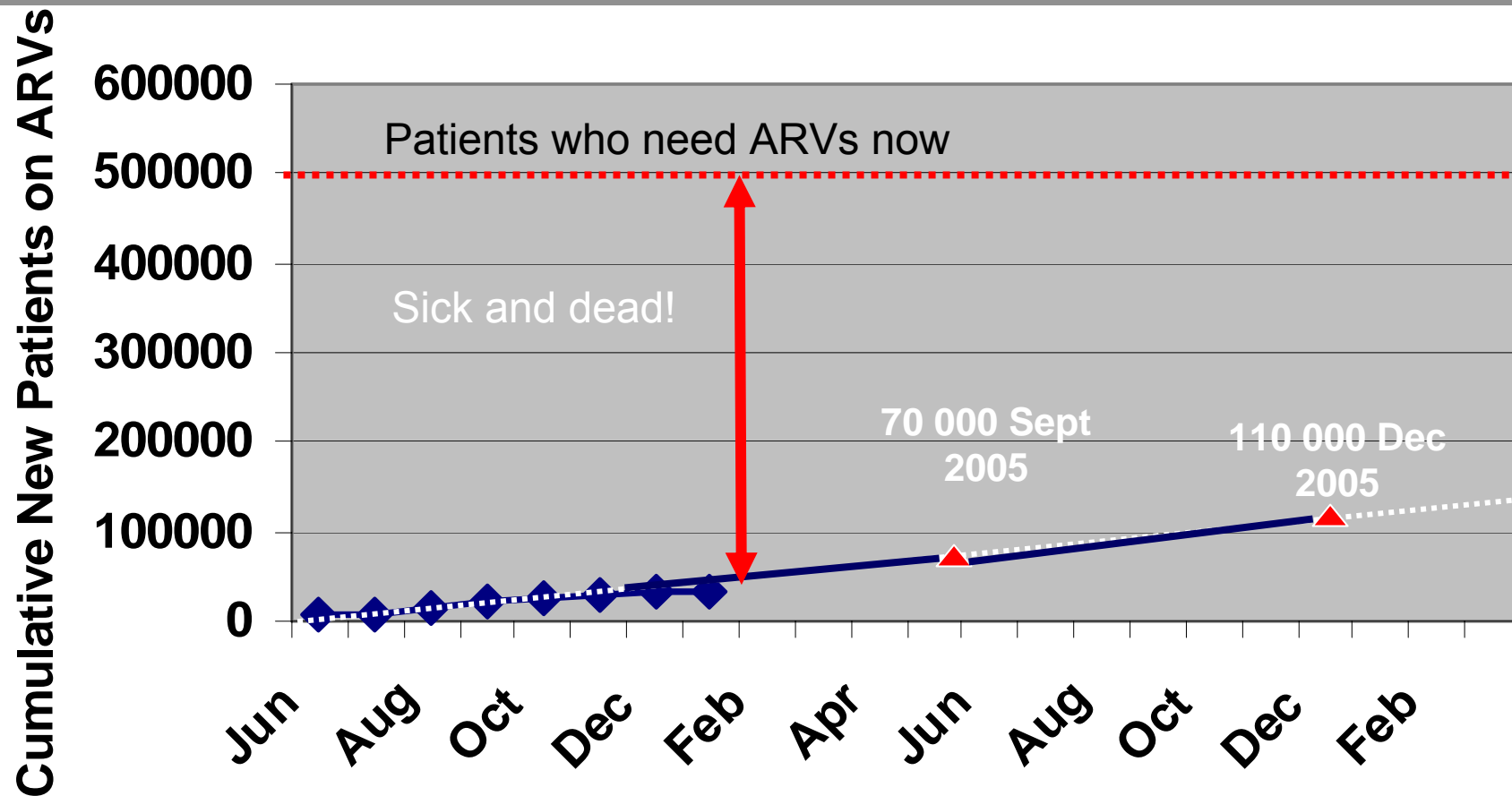


Thanks: IHI and Pierre Barker



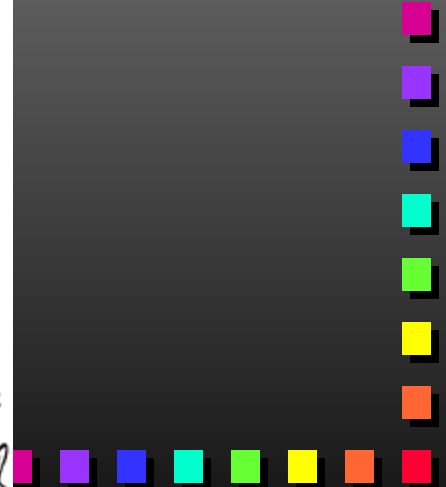
INSTITUTE FOR
HEALTHCARE
IMPROVEMENT

Rollout projections for the next 12 months



So, this is a tragedy....

- But the worst is: it will never end!



We need to switch off the tap...



Argue: Scale is the problem



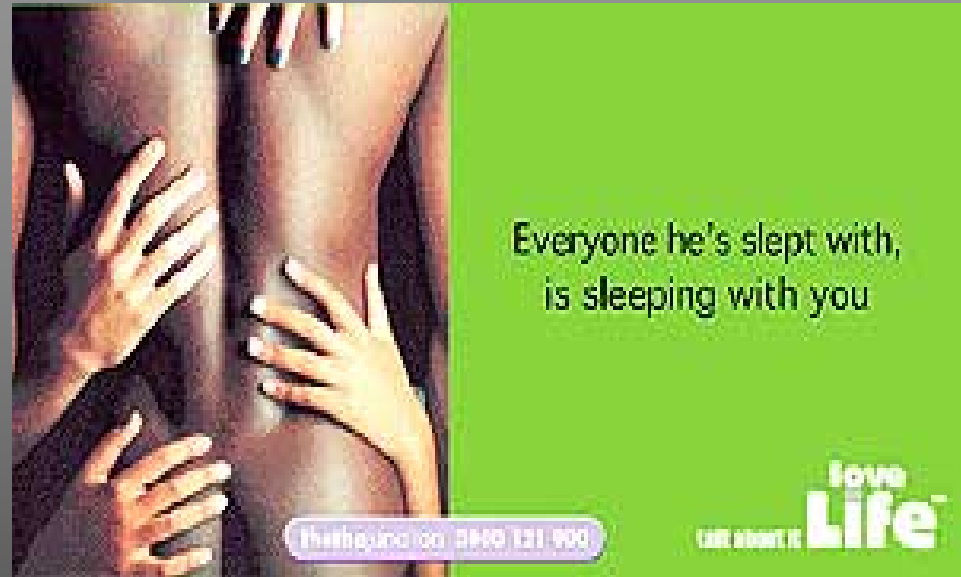
Integrated care?

- No 'family models' – and HIV is a family disease
- Current 'family models' are women/children models
- Integrated care doesn't suit HCW's, often patients
- AND – we don't look after healthy people



Prevention

- Education campaigns?
- Lots of money, many years.....



Are more aggressive behavioral campaigns merited?





Sans préservatif, c'est avec le sida que vous faites l'amour. Protégez-vous.





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From the top...

- What works in prevention?
- And where could we put it, in an integrated system?
- In order of evidence....



Current prevention approaches...

Vaccines? – HIV and HSV-2

Microbicides?

Female diaphragm?

Condoms?

Behavioural disinhibition?





Circumcision



Results 2/3

Incident cases :

	<u>M0-M3</u>	M4-M12	M13-M21	Total
Intervention	2	7	9	18
Control	9	15	27	51
Total	11	22	36	69

Incidence rates :

Intervention : 0.77 (0.49 - 1.23) /100 py

Control : 2.2 (1.7 - 2.9) /100 py

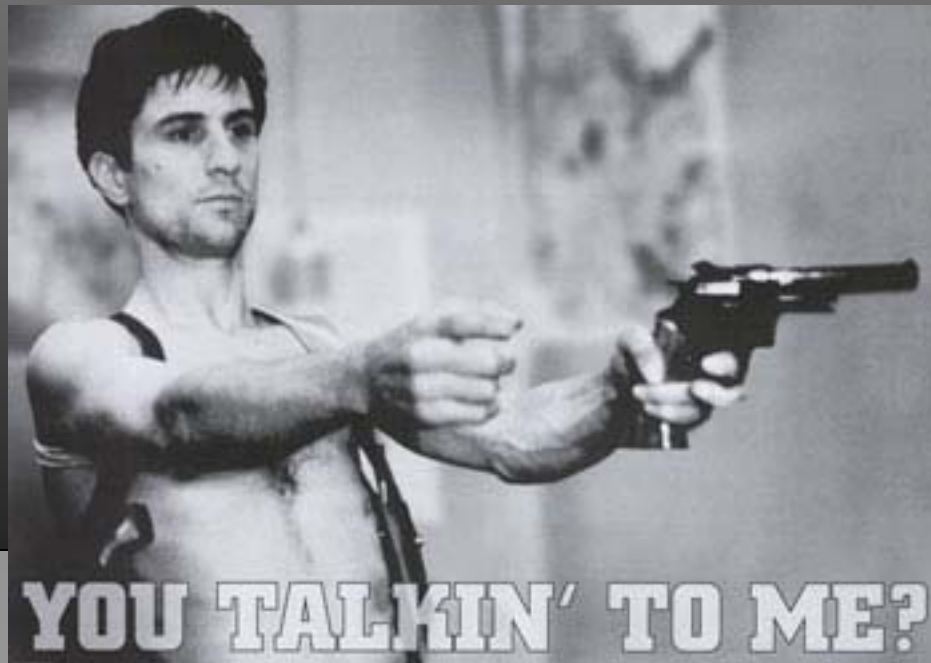
Total : 1.5 (1.2 - 1.9) /100 py

Unadjusted RR : 0.35 (0.20 - 0.60) $p=0.00013$

Protection (1-RR): 65% (40% - 80%)

The intervention prevented 6 to 7 out of 10 potential HIV infections

How would we get all men
circumcised?





I WANT YOU
TO GET A HIV TEST
www.HIVAIDSsearch.com



HIV testing works!

- Note – not forced testing....
- But not “leave it up to you” either
- HIV untested – more risk taking behaviour
- Tested – serosort AND have safer sex
- Longer time to impact on safer sex
- AND present for treatment earlier

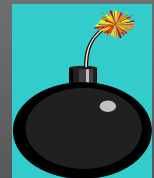


Opt out sucks!

Wellness – nutrition,
exercise, stop smoking, safe
sex, mental health, ↓ alcohol



Needs
ARV's



CD₄

8 to 10 years

Gets HIV!



How do we get you to test?



- How?
- Who?
- Where?
- How often?
- Incentives? Carrot? Stick?
- Over the counter? Options!!!



PEP

- Established for rape – fairly well integrated
- ?post sexual exposure
- High risk groups?



Prevention with positives?



HSV-2

- Acyclovir prophylaxis - ?add to prophylaxis

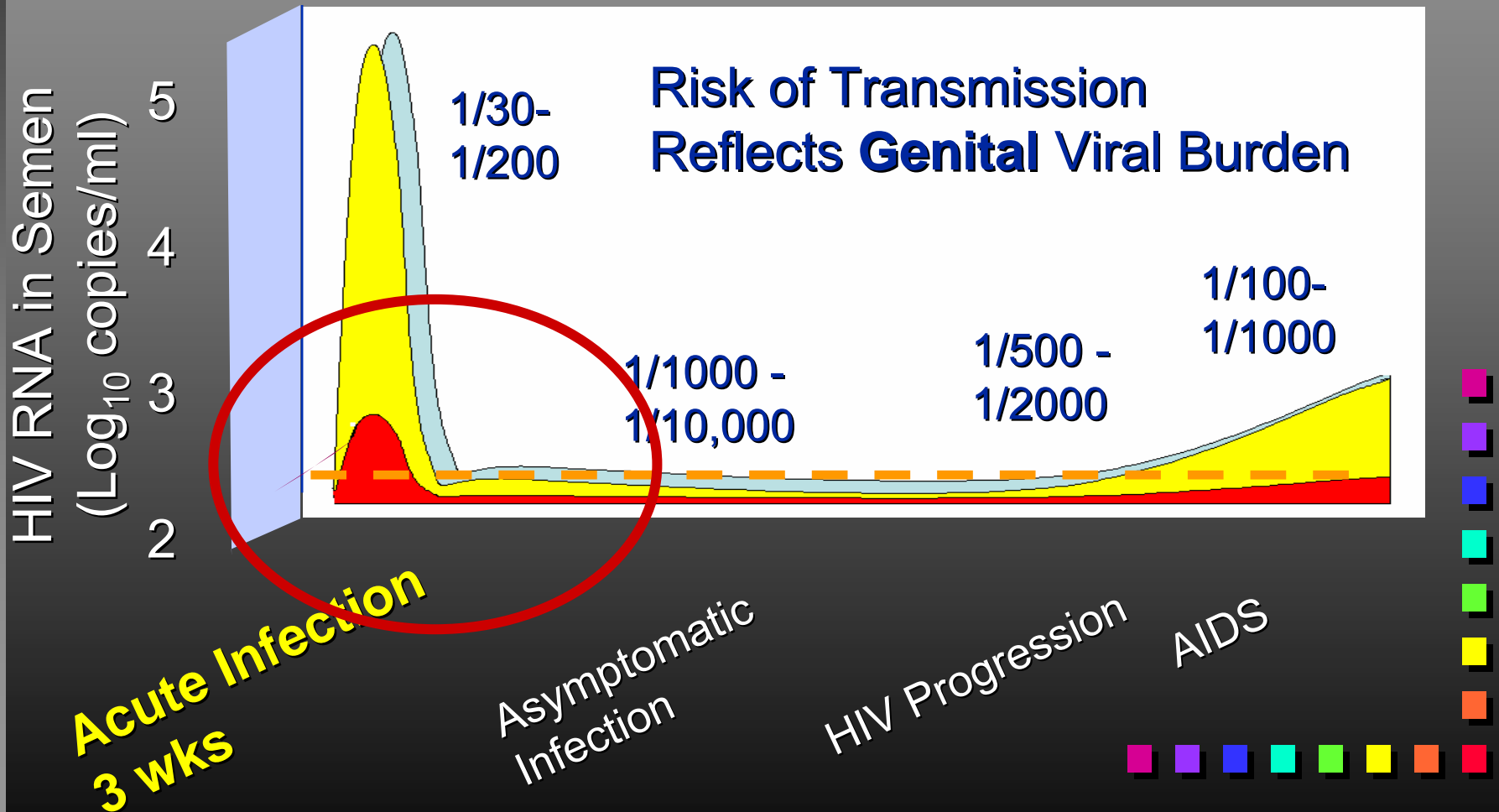


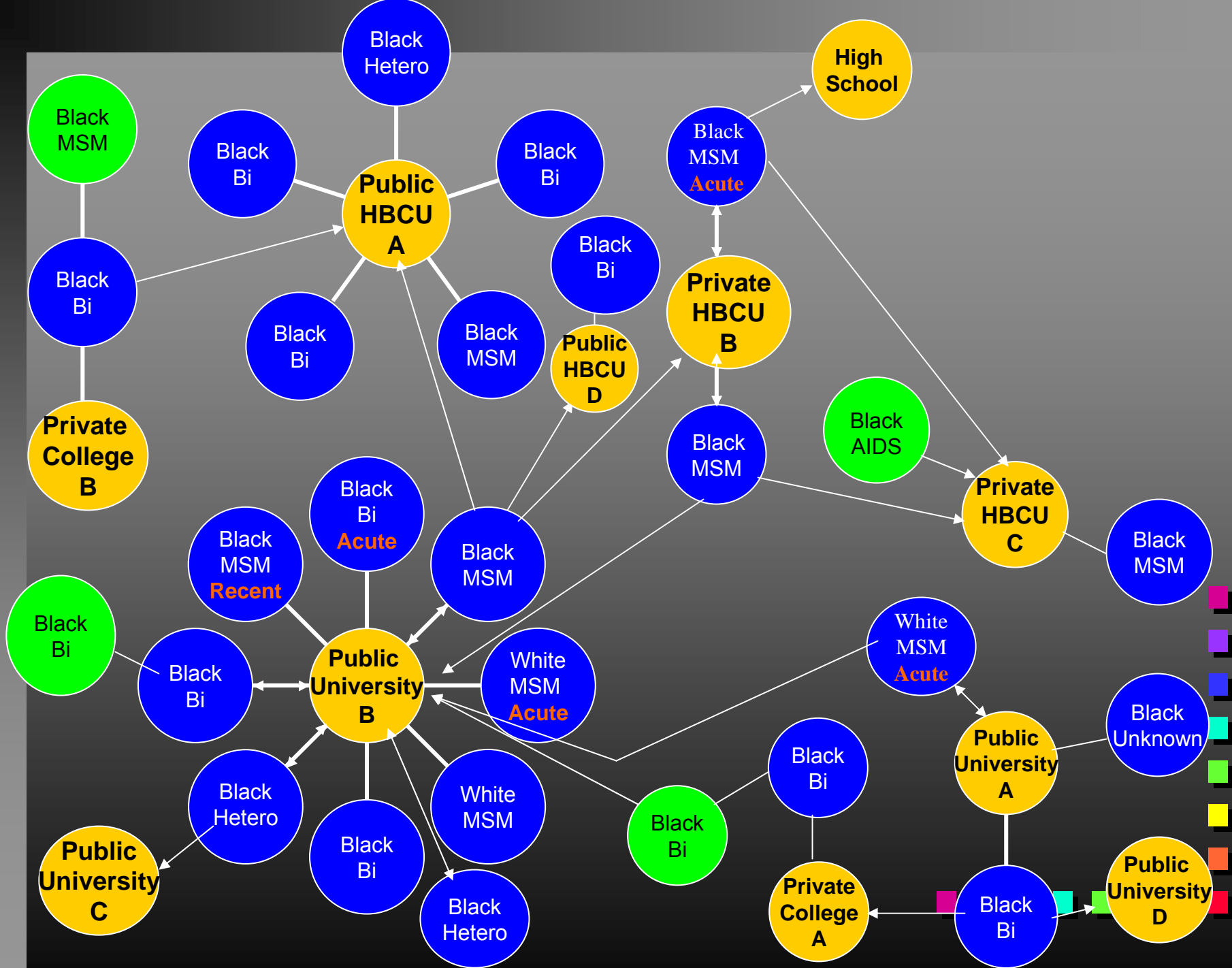
Acute HIV?



Sexual Transmission of HIV

(Cohen et al. Lancet 351: 1998)





Conclusions

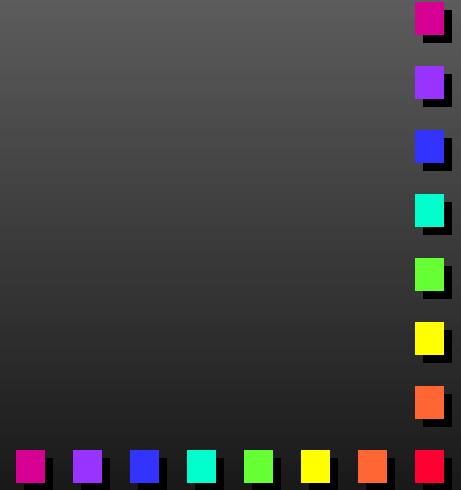
- Need to **SUPERSIZE** prevention
- Need creative approaches
- Can't wait for perfect integrated systems
– look for opportunities
- Need a cocktail of prevention
- VCT – need to re-look at it

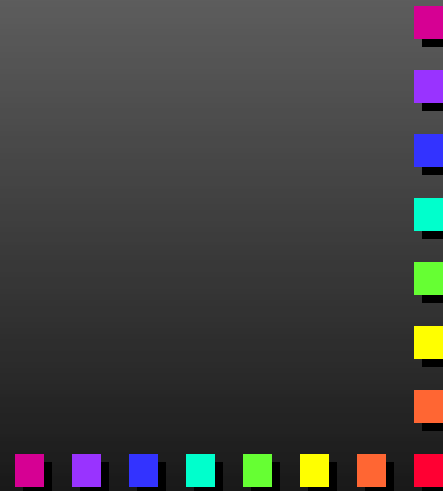


Thanks...

- DoH, Pefar
- Staff, patients, researchers







Titanic...

